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| 10/029,846      | 12/31/2001  | Chen-Hsiang Shih     | 4425-237            | 5314             |

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EXAMINER

ROHWER, JACOB P

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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2624

DATE MAILED: 01/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/029,846

Applicant(s)

SHIH ET AL.

Examiner

Jacob P. Rohwer

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 December 2005.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 and 7-15 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-5 and 7-15 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 31 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 1-5 and 7-15** are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent Number 5,966,468 to Fujimoto.

Regarding claim 1, Fujimoto discloses an apparatus comprising:

an image-processing component (**Fig 3 #202**) adapted to generate data to display (**Fig 3 #205**) a preliminary scanned image model for use in processing at least a portion of a scanned image (**Fig 2 #310-314, Col 4 Lin 39-48**), and further adapted to receive a selection of a compression model among a plurality of compression models (**Fig 2 #304, Col 4 Lin 3-5 and 15-17**) defining a plurality of compression ratios (**Col 5 Lin 43-45 discloses standard compression rates corresponding to each encoding method**) for use in processing a scanned image; and

an image-capturing component (**Fig 3 #201**) adapted to generate said scanned image in response to a selection of a compression model. (**Col 6 Lin 42-46**)

Regarding claim 2, which depends from claim 1, Fujimoto further discloses the apparatus of claim 1, wherein said image-processing component is further adapted to select said selected compression model based at least in part on a request from an

exterior device. **(Fig 3 #206, Col 9 Lin 48-52 discloses a host computer through which compression settings can be requested can be connected to the apparatus.)**

Regarding claim 3, which depends from claim 1, Fujimoto further discloses the apparatus of claim 1 wherein said apparatus comprises a scanner. **(Fig 3 #201, Lin 56-57)**

Regarding claim 4, which depends from claim 3, Fujimoto further discloses the apparatus of claim 3, wherein said compression models define differing compression configurations for at least two portions of the scanned document image. **(Fig 6 #310 discloses different regions #311 and #312 using two different compression configurations for two different portions.)**

Regarding claim 5, Fujimoto further discloses a system comprising:  
a display interface **(Fig 3 #205)** adapted to display a preliminary scanned document image;  
a processing device for accepting a compression setting for a document image, wherein the compression setting comprises a plurality of compression ratios; and  
a scanning device **(Fig 3 #201)** coupled to said processing device **(Fig 3 #202)**, said scanning device adapted to capture a document image in accordance with the compression setting.

**Please see rejection of claim 1 above.**

Regarding claim 7, which depends from claim 5, Fujimoto further discloses the system of claim 5, wherein said scanning system comprises a plurality of photo sensors. **(Col 3 Lin 57 discloses a CCD scanner)**

A CCD scanner is inherently known to comprise sensors converting photons into electrons.

Regarding claim 8, which depends from claim 5, Fujimoto further discloses the system of claim 5, wherein said processing is further configured to output said captured document image to an external device. **(Fig 3 #203 and #204, Col 9 Lin 48-52)**

Regarding claim 9, please see the rejection of claim 1. Furthermore, the apparatus of claim 1 performs the method of claim 9.

Regarding claim 10, which depends from claim 9, Fujimoto further discloses the method of claim 9 wherein the configuring is provided by use of an editing tool. **(Fig 2 discloses the operation and display panel that allows the operator to set encoding methods)**

Regarding claim 11, which depends from claim 9, Fujimoto further discloses the method of claim 9 wherein capturing is implemented by a plurality of optic devices. **(Col 3 Lin 57 discloses a CCD scanner)**

Again, a CCD scanner is inherently known to comprise optic devices such as lenses and mirrors in order to capture the image document.

Regarding claim 12, which depends from claim 9. Please see claim 8 rejection. Furthermore the system of claim 8 performs the method of claim 12.

Regarding claim 13, which depends from claim 9. Please see claim 5 rejection.

Furthermore the system of claim 5 performs the method of claim 13.

Regarding claim 14, which depends from claim 13, Fujimoto further discloses the method of claim 13, wherein at least a portion of said displayed preliminary scanned document image comprises a user-selectable scan zone, wherein said configuring is substantially performed by use of said user-selectable scan zones. **(Fig 2 #303 discloses region selection, set by the operator)**

Regarding claim 15, Fujimoto further discloses the method of claim 9, wherein said plurality of compression ratios comprise lossy **(Col 8 Lin 51-52, JPEG compression is lossy)** and lossless **(Col 8 Lin 59-60, JBIG compression is lossless)** compression ratios.

### ***Response to Arguments***

In response to applicant's arguments, it is noted that none of the initial references in the original office action disclose the display of a preliminary scanned image for further processing. However, due to amended claims including the limitation of a displaying a preliminary scanned document, a new search has been conducted and a reference has been found (Fujimoto) meeting this limitation and all other limitations of the amended claims making applicant's argument moot.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob P. Rohwer whose telephone number is 571-272-5509. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on 571-272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
MARK ZIMMERMAN  
SUPERVISORY PATENT EXAMINER  
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